

## **ABSTRACT**

An amusement simulation apparatus and method is disclosed. The simulation apparatus includes screen, projector, rotating platform carrying passenger, rotating shaft and aligned passenger seats round the machine room positioned on the platform and hanging by the suspending structure. When the platform is in upright position, passengers seating in the passenger seats face the screen positioned in front and view the image (2D or 3D) projected on the screen. The passengers are almost in the same vertical plane but in up and down relation. The blocking plate divided the passengers in different rows. The platform and the passenger seats can both pivot upon their shaft. Passenger seats in the left and right columns can rotate round the longitudinal yawing shaft to achieve better viewing effect. Pivoting movement of the passenger seat, combining the special effect of wind blasting, simulates the flying experience vividly. The simulation apparatus is suitable for use in an amusement park or theme park, providing tourists with interesting and life like flying experience.